



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHHOWT4022ACT120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2018.0.0 see: www.ltioptics.com/ies
 [ISSUEDATE]
 [TESTDATE] Mon Jul 23 19:06:53 2018
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS830LEDHHOWT4022ACT120-277V
 [LAMP] LED 0.195W White 5630 package (65mA)
 [LAMPCAT] SPMWHT541MD-3900K
 IESNA:LM-63-2002
 [TEST] 6,552
 [TESTLAB] CSA Group
 [ISSUEDATE] 7/24/2013 1:09:24 PM
 [MANUFAC] Beghelli
 [LUMINAIRE] BS100LEDDL4HT50WWT41120-277V
 [OTHER] Luminous shape: Rectangle
 [OTHER] Luminous dimensions (feet)
 [OTHER] 0 - 180 Axis: 4.2
 [OTHER] 90 - 270 Axis: 0.6
 [OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18496
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	155
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10696	8989	10696
55	6601	5381	6601
65	3654	2884	3654
75	2133	1622	2133
85	494	359	494

CANDELA TABULATION

	<u>0</u>
0	8550.272
5	8430.688
10	8349.540
15	8169.717
20	7738.412
25	7097.755
30	6451.781
35	5800.553
40	5200.209
45	4567.241
50	3702.284
55	2735.268
60	1888.651
65	1422.003
70	1083.029
75	750.912
80	411.627
85	150.257
90	39.108
95	14.938
100	12.608
105	13.547
110	11.057
115	12.812
120	18.234
125	22.682
130	23.904
135	21.601
140	17.259
145	15.425
150	15.204
155	14.911
160	15.346
165	16.790
170	18.845
175	18.686
180	24.560

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3094.25	N.A.	16.70
0-30	6364.99	N.A.	34.40
0-40	10004.63	N.A.	54.10
0-60	15952.68	N.A.	86.30
0-80	18182.22	N.A.	98.30
0-90	18386.74	N.A.	99.40
10-90	17583.46	N.A.	95.10
20-40	6910.38	N.A.	37.40
20-50	10389.88	N.A.	56.20
40-70	7387.16	N.A.	39.90
60-80	2229.54	N.A.	12.10
70-80	790.43	N.A.	4.30
80-90	204.53	N.A.	1.10
90-110	35.71	N.A.	0.20
90-120	49.30	N.A.	0.30
90-130	68.89	N.A.	0.40
90-150	95.24	N.A.	0.50
90-180	108.85	N.A.	0.60
110-180	73.14	N.A.	0.40
0-180	18495.6	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	803.28
10-20	2290.96
20-30	3270.75
30-40	3639.64
40-50	3479.5
50-60	2468.54
60-70	1439.12
70-80	790.43
80-90	204.53
90-100	22.28
100-110	13.43
110-120	13.59
120-130	19.59
130-140	16.39
140-150	9.96
150-160	6.98
160-170	4.76
170-180	1.86

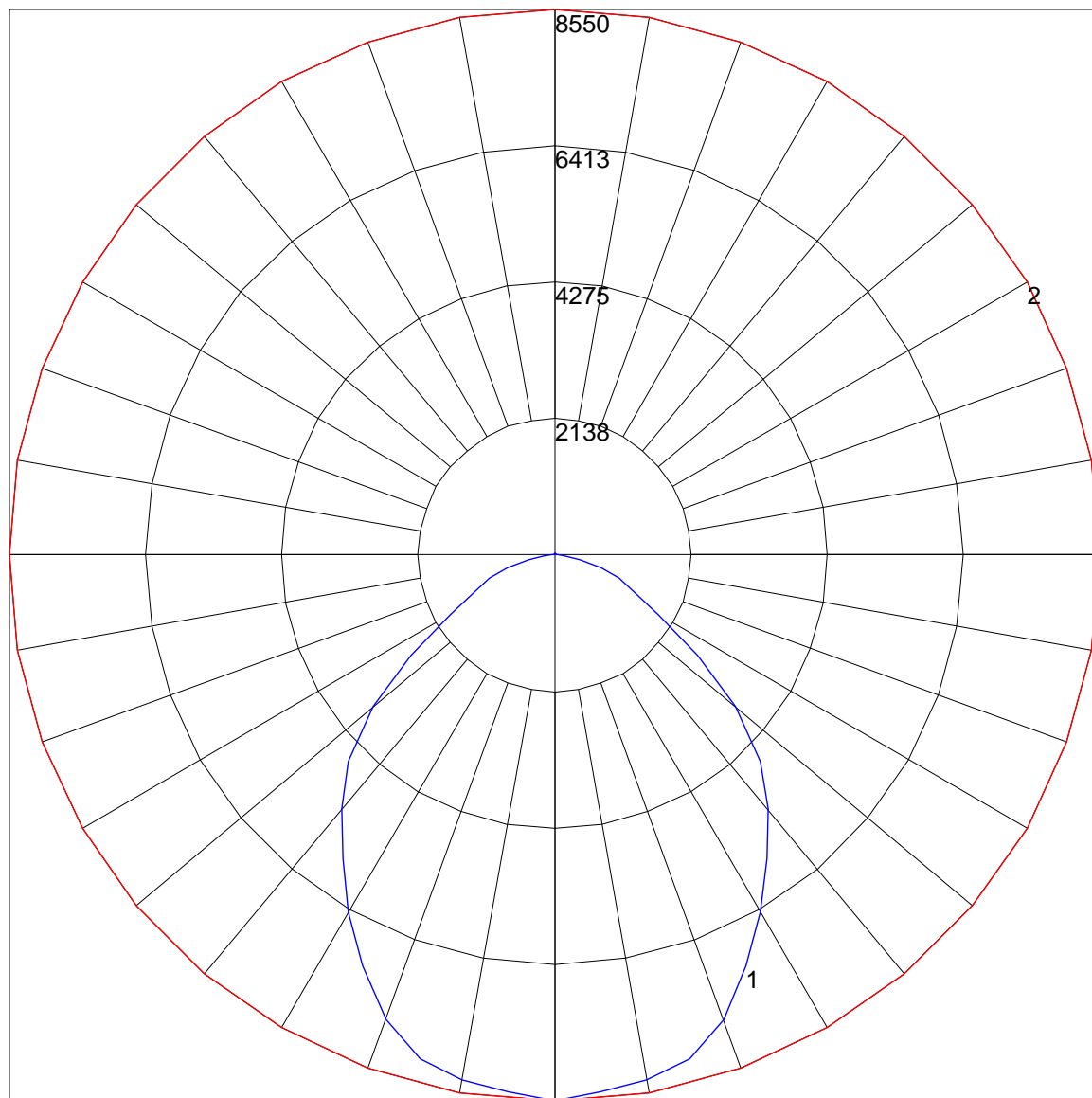
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	68	59	53	77	67	59	53	64	58	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	38	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 8550.272 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)